

11 said primary control element based on the order of frequencies received[.]; and
12 said output signal controls the movement of said primary control element.

Please cancel claim 36.

In claim 37, line 1, delete "36" and insert --45-- therefor.

1 41. (Amended) A well control system, comprising:
2 a primary control element operating in a well system;
3 at least one transmitter for sending a predetermined plurality of frequencies in a
4 predetermined order over the air;
5 at least one signal receiver for receiving [a signal] said predetermined plurality of
6 frequencies from said transmitter to provide an output;
7 at least one signal processor to receive the output of said receiver and to generate
8 a command signal to said control element; [and]
9 said processor discriminates for said frequencies and generates an output signal to
10 said primary control element based on the order of the frequencies received[.]; and
11 said output signal controls the movement of said primary control element.

Please cancel claim 42.

1 43. (Amended) The apparatus of claim [42] 46, wherein:
2 at least a first and second frequency serve a dual purpose and are part of a
3 sequence of signals that triggers an output from said processor;
4 said first frequency is first in time and cues said processor that a

5 multifrequency signal is arriving, said second frequency is last in time and cues said
6 processor that a multifrequency signal is fully transmitted, thus triggering said processor
7 to issue an output signal for actuation of the primary controlled element.

Please add claims 45 and 46 as follows:

1 45. A control system useful in outdoor environments,
2 comprising:
3 a primary control element operating in a system;
4 at least one transmitter for sending a predetermined plurality
5 of frequencies over the air;
6 at least one signal receiver for receiving said predetermined plurality of
7 frequencies from said transmitter to provide an output;
8 at least one signal processor to receive the output of said receiver and to generate
9 a command signal to said control element;
10 at least one of said frequencies serving a dual purpose of being first part of a
11 received signal sent to said processor to allow said processor to issue an output signal to
12 operate a primary controlled element, and second to act as a cue to said processor that an
13 incoming multiple frequency signal is about to come or has concluded; and
14 said processor discriminates for said frequencies and generates an output signal to
15 said primary control element based on the order of frequencies received.

1 46. A well control system, comprising:
2 a primary control element operating in a well system;
3 at least one transmitter for sending a predetermined plurality of frequencies order
4 over the air;
5 at least one signal receiver for receiving said predetermined plurality of
6 frequencies from said transmitter to provide an output;
7 at least one signal processor to receive the output of said receiver and to generate
8 a command signal to said control element;
9 at least one of said frequencies serving a dual purpose of being first part of a
10 received signal sent to said processor to allow said processor to issue an output signal to
11 operate a primary controlled element, and second to act as a cue to said processor that an
12 incoming multiple frequency signal is about to come or has concluded; and
13 said processor discriminates for said frequencies and generates an output signal to
14 said primary control element based on the order of the frequencies received.

REMARKS

The Applicant has carefully reviewed the Office Action mailed on August 18, 1997. The claims have been amended for the purposes of explication and clarity. No new matter has been added. Per the Examiner's recommendation, claims 45 and 46 have been rewritten to incorporate the limitations of the base claim as well as the intervening claims.